Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/11/2016 11:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124961	-1	1.06	124791	0.99
Blue	F	SSC	125000	123733	-2	2.68	124529	2.33
Blue	E	FITC	17224	16724	-3	2.34	943	8.28
Blue	D	PE	22462	22014	-2	1.92	993	7.67
Blue	B	PerCP-Cy5-5	63940	63053	-2	2.61	1672	11.97
Blue	A	PE-Cy7	72480	71493	-2	3.64	943	24.04
Red	C	APC	63778	62994	-2	2.36	3560	7.75
Red	A	APC-Cy7	97254	96414	-1	2.48	1916	7.46
Violet	B	V450	10730	10531	-2	3.32	651	7.47
Violet	A	V500	42147	41159	-3	2.90	2322	5.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20199	1.53	583	-37	N/A	N/A	Pass
Blue	F	SSC	61951	1.54	506	-21	N/A	N/A	Pass
Blue	E	FITC	101	33.78	513	-26	0.0294	130	Pass
Blue	D	PE	205	24.09	508	-24	0.1969	173	Pass
Blue	B	PerCP-Cy5-5	205	37.53	592	-22	0.0136	69	Pass
Blue	A	PE-Cy7	70	94.35	648	-25	0.0158	8	Pass
Red	C	APC	333	25.21	575	-9	0.0231	14	Pass
Red	A	APC-Cy7	121	36.03	557	-8	0.0054	788	Pass
Violet	B	V450	69	37.49	448	-26	0.0546	1563	Pass
Violet	A	V500	151	20.29	477	-26	0.0173	216	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.59	47.70 - 71.54	N/A	N/A	-31.02	-30.70	0.80
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.29
Red	14.99	13.09 - 19.63	N/A	N/A	31.45	31.62	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11064

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments